

## Water Purifiers | Distilled ultrapure water

## WG511/711

Made in  
Japan

Distilled water production 5L/h 10L/h

Purified water Deionized water / Distilled water

Water quality A4 Deionized water A4 Distilled water

## Large-capacity water purifier that produces high-purity water in a single system.

Feed water, deionized water, and distilled water supply to the storage tank are automatically controlled.

## Features

- Produces large volumes of distilled and deionized water.
- Digital water-quality display and touch-button water dispensing.
- Easy replacement of the ion exchange resin cartridge.
- Optional UV lamp for sterilization.



## Specifications

Model		WG511	WG711
Water quality <sup>*1</sup>	Distilled water	JIS K0557 A4 Standards compliance <sup>*2</sup>	
	Deionized water	JIS K0557 A4 Standards compliance <sup>*2</sup>	
Treatment process	Distilled water	Pre-treatment cartridge→Ion-exchange cartridge SPC-10→(Option CPC-H)→Distillation→Tank→Filtration	
	Deionized water	Pre-treatment cartridge→Ion-exchange cartridge SPC-10→(Option CPC-H)→Filtration	
Distilled water production <sup>*1</sup>		Approx. 5L/hr.	Approx. 10L/hr.
Collection of distilled water <sup>*1</sup>		Approx. 1.0 to 2.0L/min. (50Hz) 1.5 to 2.5 L/min. (60Hz) *It depends on the amount of water in the tank.	
Collection of Deionized water <sup>*1</sup>		Approx. 1.4L/min.	Approx. 2.8L/min
Setting range of collection capacity		Approx. 0.1 to 85L quantitative water / Continuous water collection <sup>*3</sup>	
Drainage connection		Left or right, rear side selective connection, Hose connection	
Pre-treatment cartridge		0.1 μm hollow fiber membrane + activated charcoal (PWF-1) (to be replaced at a flow rate of approx. 5,000 L)	
Ion Exchange Cartridge		SPC-10 (approx. 10L of resin) (Exchange by approx. 2,000L of water flow)	
High-purity cartridge (option)		CPC-H (Exchange by approx. 2,500L of flow rate with together SPC-10)	
Final filtration		0.1 μm membrane filter MFRL730 (Mounted at the sampling outlet) (to be replaced at a flow rate of approx. 3,000L)	
Distilled water storage tank capacity		Polyethylene made, 100L (Full water setting 30/55/85L)	
Distilled water UV sterilization		Optional	
Product water intake tray		Standard	
Raw water pressure range		0.10MPa to 0.50MPa	0.20MPa to 0.50MPa*5
External dimensions <sup>*4</sup>		W800×D685×H1510mm	W870×D685×H1510mm
Weight		Approx. 130kg	Approx. 140kg
Power supply (50/60Hz) <sup>*6</sup>		AC220/230/240V, with step-down transformer	
Accessories		Water supply hose×1pc, Ion-exchange resin Cartridge (SPC-10)×1pc, Pre-treatment Cartridge×1pc, Membrane Filter×2pcs, Seal tape×1pc, Elbow fitting×1pc, Hose band×2pcs, Connection hose assy×1pc, Drain hose (3m)assy×1pc	

The performance data is based on 200 V AC, room temperature 23°C±5°C, humidity 65%RH±20%.

The operating temperature range of this unit is 5°C to 35°C.

The temperature range of raw water should be between 5°C and 30°C.

The length of the power cord is about 2m outside the unit.

\*1 The guaranteed performance range is 2.0 to 5.0×100kPa (2 to 5kgf/cm<sup>2</sup>) of raw water pressure and water temp. of 20°C.

The amount of water collected varies depending on the temperature of the water.

\*2 This is the value immediately after distillation.

\*3 The continuous water collection capacity is limited to the amount you select when the tank is full.

\*4 Protrusions not included.

\*5 When the drainage temperature lowering mechanism is turned off, the water pressure range is 0.10 to 0.50MPa.

\*6 Voltage modifications other than the listed specifications are also available. Please contact us for details.

## Structure



**Water sampling tray**  
Large stainless steel sink with a splashing preventive mechanism

① Membrane filter  
MFRL730

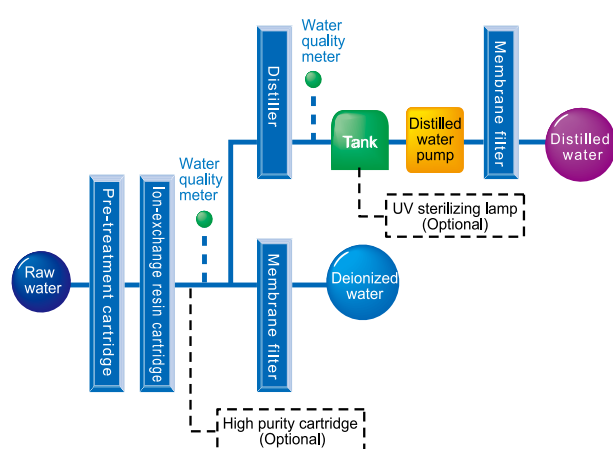
## Inner View



**Arrangement of consumables**

- ② Ion-exchange resin SPC-10
- ③ Pre-treatment cartridge PWF-1
- ④ High purity cartridge CPC-H (Optional)

## Treatment Process



## Water quality analysis

Japanese Industrial Standard JIS K0557 A4

Item	WG511/711		WG511	WG711
	Deionized water		Distilled water (*Just after production)	
	SPC-10	SPC-10 + CPC-H		
Electrical conductivity(mS/m) (at water temp. 25°C )	0.0056	0.0056	0.084	0.066
Organic carbon (TOC) (µgC/L)	0.02	0.01	0.015	0.014
Zinc (µgZn/L)	<0.1	<0.1	<0.1	<0.1
Silica (µgSiO <sub>2</sub> /L)	<1.0	<1.0	1.2	2
Chloride Ion (µgCl <sup>-</sup> /L)	<0.5	<0.1	<0.2	<0.5
Sulfuric acid Ion (µgSO <sub>4</sub> <sup>2-</sup> /L)	<0.5	<0.1	<0.2	<0.5
Total Level	JIS A4			

## Optional items

No.	Description	Option Model	Product Code
①	Product water intake hose unit (1m extension of the sampling port)	OWF10	253208
②	Water Supply Unit	OWH10	253686
③	Pressure reducing valve for raw water	OWG48	253772
④	*Connection Unit G (Connection Set for WL100)		253668
⑤	*Drain trap WG511 (when PVC pipe is used for drainage and the water supply temperature exceeds 30°C )	OWI21	253222
⑥	*Drain trap WG711 (when PVC pipe is used for drainage and the water supply temperature exceeds 28°C )	OWI41	253223
⑦	*UV sterilization lamp	OWG66	253226
⑧	High purity cartridge (CPC-H) connection unit*1	OWG62	253781
⑨	External alarm output	OWG64	253225

\*Please specify when ordering main unit.

\*1 High purity cartridge (CPC-H) is not included.

## Consumable parts

No.	Description	Option Model	Product Code
①	Membrane filter (1pc)	MFRL730	9020010006
②	UV sterilization lamp (for optional sterilization lamp)	OWG28	253773
③	Ion-exchange resin cartridge	SPC-10 set	9110010004
④	High-purity cartridge	CPC-H	CPCNS30011
⑤	Pre-treatment cartridge	PWF-1	253099



Water Supply Unit  
(OWH10)



High Purity Cartridge  
(CPC-H)



Pre-treatment  
cartridge (PWF-1)